Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

SBRNO-117/16-17

No. ***First & Final Bill*** (For Other Works) Date 20-8-...2016

Division: **BBMP, Byatarayanapura** Sub-Division: **BBMP, Vidyaranyapura**

Bill Received No. Dated Divisional Cash Book Voucher No…….. Dated……
Sub Divisional **Work Code: 009-16-000009**

Schedule Docket No. Head of Account: **P-3089** **Est.Cost: 45.00 Lakhs** D.R.No. :

Name of Work (as per sanctioned estimate: **Improvements and Asphalting to roads, drains and Construction of Culverts at Deshabandunagar, Puttanjinappa Layout & Krishna Temple area in ward No 09 in Vidyaranyapura sub Division.**

Name of Contractor and Full Address: ***Sri. M. Srinivas Murthy, Contractor, # 17, Jyothi Gas Godown, 6th Cross, Kurubarahalli, Bangalore – 560 086.***

Reference to Agreement No. **EE/BTP/BBMP/ E-PMT/01(17868)/WO/ 105 /2016-17** Date: 18/08/16

Certified that the measurements were taken by me on 19-8-16 and recorded of **Pages** **to** of measurement Book No. **2653** and that the work is satisfactorily executed. 265241 – 265254

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 20/08/16 ……and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	DSR, Final Bill	4325920-00
2) Deduct amount to be held in reserve being ……percent Rs……	ST	43300-00
3) " Balance	LAT	173100-00
4) Deduct Payment:	LNF	43300-00
a. Amount of previous payment as in the Office Cash Book Voucher No……Dated……S.D. No……..… Amount adjusted towards cash advance recovery of	CSF	4326-00
b. Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	LP	60500-
5) Balance being unpaid value of work done held in reserve.		324526-
6) Deduct cash advance made on the Office cash Book Voucher No…… dated……less adjustments.		
7) Net amount due to or from Contractor unadjustments items.		
8) Advance to Contractor for materials brought to site (as detailed) within.		
9) Value of Government materials supplied.		
Total amount adjusted -		40,01,394-

Contractor's Signature

Received Rs…….. (in words)……
……
by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

Audited & Admitted for Rs 4325920-00 (For use in the Office)

Witness
1.
2.

Stamp 40,01,394- by Cheque and Rs 324526- by adjustment

Dated Signature of Contractor

Paid by me by Cheque No……Dated……

Cash Rs……..

Dated……

Accts Supdt Sub Engineer
Byatarayanapura Dn Byatarayanapura Dn
BBMP BBMP

Sl. No.		Unit
1	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc complete as per specifications and directions of engineer in charge of the work	Cum
2	Removing B.S Slab of Drain and stacking etc complete as per specifications and directions of engineer in charge of the work	Sqm
3	Refixing stone slabs of drains and pointing in C.M (1:3) etc complete as per specifications and directions of engineer in charge of the work	Sqm
4	Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	Cum
5	Providing and laying cement concrete using 20mm and down size granite jelly of **ready mixed concrete (RMC)for R.C.C works** laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. etc complete as per specifications and directions of engineer in charge of the work	Cum
6	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc complete as per specifications and directions of engineer in charge of the work	Sqm
7	Providing **groove cutting** for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator and HOM of machinery including cost of blade coolant etc including cleaning of groove and providing sand and hot bitumne fillars, and filler metal etc., indluding cost of converyance of all materials, labours, lead and lift charges and all other incidental charges as per drawing and as per specification **Concrete Pavement** etc complete as per specifications and directions of engineer in charge of the work	Rmt
8	Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Cum
9	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls** at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work	Sqm
10	Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, etc complete as per specifications and directions of engineer in charge of the work	Cum
11	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **TMT Bars FE 500** etc complete as per specifications and directions of engineer in charge of the work	Tonne
12	Scarifying kankar / gravel / metal crust upto 150mm thick with pick axes and disposal of stuff within a lead of 100 meters including cost of all labour charges etc complete as per specifications and directions of engineer in charge of the work	Sqm
13	Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density etc complete as per specifications and directions of engineer in charge of the work	Cum
14	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 Kg / sqm using mechnical means etc complete as per specifications and directions of engineer in charge of the work	Sqm

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	912.54	65.00	59315.00	912.54	59315.00	
-	-	1336.50	50.00	66825.00	1336.50	66825.00	
-	-	1336.50	65.60	87674.00	1336.50	87674.00	
-	-	104.66	4500.00	470970.00	104.66	470970.00	
-	-	70.83	5500.00	389565.00	70.83	389565.00	
		561.40	97.20	54568.00	561.40	54568.00	
-	-	62.90	124.20	7812.00	62.90	7812.00	
		11.02	4542.48	50058.00	11.02	50058.00	
-	-	306.77	292.68	89785.00	306.77	89785.00	
-	-	47.53	6065.33	288285.00	47.53	288285.00	
-	-	3.80	80000.40	304002.00	3.80	304002.00	
-	-	3032.78	22.69	68814.00	3032.78	68814.00	
-	-	614.78	1438.50	884361.00	614.78	884361.00	
-	-	3875.30	31.00	120134.00	3875.30	120134.00	

Sl. No.		Unit
15	Providing and laying **semi dense bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. **with 100-120 TPH capacityH.M.P with sensor paver Gr-II (25 mm to 30**	Cum
16	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading etc complete as per specifications and directions of engineer in charge of the work	Cum
	EIRL	
17	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces no exceeding 0.02 Cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 meters, stacking serviceable and unserviceable materials separately etc complete as per specifications and directions of engineer in charge of the work	Sqm
18	KSRB 15.1.3: Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications cement mortar 1:4 etc complete as per specifications and directions of engineer in charge of the work	
19	Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work	
20	Providing and applying **tack coat** using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding clearing of road surface) including cost of all materials, labour, HOM of machineries etc complete as per specifications and directions of engineer in charge of the work	
21	KSRRB 500-11: Providing and laying **bituminous macadam** on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50 / 75mm compacted thickness with 3.3% bitumen but excluding cost of primer / tack cost with lead upto 1km including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH chapter 5, **using 40/60 TPH capacity H.M.P with Mechanical paver gr-II (50 mm to 75 mm) with 3.3 % VG-30 Bitumen,** etc complete as per specifications and directions of engineer in charge of the work	
	Total	

CERTIFICATE :

1. Certified that the above work done satisfactory and no materials issued from departmentally.

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	106.06	8500.00	901510.00	106.06	901510.00	
		912.54	73.38	66962.00	912.54	66962.00	
-	-	112.28	800.74	89907.00	112.28	89907.00	
-	-	18.36	96.68	1775.00	18.36	1775.00	
-	-	3.37	5342.47	18004.00 17983-00	3.37	18004.00 17983-00	
-	-	1190.00	11.56	13756.00 13755-00	1190.00	13756.00 13755-00	
-	-	59.50	4968.37	295618.00	59.50	295618.00	
				4329700.00		4329700.00	
				4325921-00		4325921-00	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97